PB88-202510

Identification of Subpart Da Sources and EPA (Environmental Protection Agency) Regional/State Agency Contacts for the Implementation of Appendix F: Procedure 1

Entropy Environmentalists, Inc.
Research Triangle Park, NC

Prepared for

Environmental Monitoring Systems Lab.
Research Triangle Park, NC

Mar 88

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IDENTIFICATION OF SUBPART Da SOURCES AND EPA REGIONAL/STATE AGENCY CONTACTS FOR THE IMPLEMENTATION OF APPENDIX F, PROCEDURE 1

by

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16. ABSTRACT

Appendix F, Procedure 1, "Quality Assurance Requirements for Gaseous Continuous Emission Monitoring Systems Used for Compliance," of 40 CFR 60 requires that sources subject to Standards of Performance for New Stationary Sources, Subpart Da conduct certain quality assurance activities and submit a Data Assessment Report (DAR) on a quarterly basis to the applicable control agency. The subject project report presents a list of all electric utility steam generating units that are believed to be subject to Subpart Da. The list indicates the status of each unit (i.e., currently operating, under construction, or planned), and also provides source contact information. In addition, this report identifies the state agency contacts who are believed to be responsible for review of the DAR's. A list of EPA Regional Office contacts is also provided.

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1.0 INTRODUCTION

Appendix F, Procedure 1, "Quality Assurance Requirements for Gaseous Continuous Emission Monitoring Systems Used for Compliance," of 40 CFR 60 requires that sources subject to Standards of Performance for New Stationary Sources, Subpart Da conduct certain quality assurance activities and submit a Data Assessment Report (DAR) on a quarterly basis to the applicable control agency. This report presents a list of all electric utility steam generating units that are believed to be subject to Subpart Da. The list indicates the status of each unit (i.e., currently operating, under construction, or planned), and also provides source contact information. In addition, this report identifies the state agency contacts who are believed to be responsible for review of the DAR's. A list of EPA Regional Office contacts is also provided.

The information contained in this report will be useful to the EPA Quality Assurance Division (QAD) in monitoring the implementation of Appendix F, Procedure 1. Appropriate control agency personnel will be asked to provide the QAD with copies of the DAR's for each operating unit. It is expected that an annual report entitled "Gaseous CEMS Accuracy and Problems at Subpart Da Facilities" will be prepared by the QAD based on the information contained in the DAR's.

2.0 RESULTS

Information developed from the Subpart Da source list is concisely summarized in Figure 1, "Distribution of Da Sources." The list of specific Da sources is presented as Table 1 and is arranged by EPA Region and state. The list identifies the company, station, and generating unit and indicates the status of each unit.

Based upon the information available at the time this report was prepared, there are 36 operating electric utility steam generating units located at 30 generating stations owned by 29 different companies subject to Subpart Da. These facilities are located in 17 states representing 7 EPA Regional Offices. The results show that 18 additional units are currently under construction. If all of these units are completed, there will be 54 generating units at 40 generating stations owned by 36 companies subject to Subpart Da. The information on planned units is less reliable. Many units previously listed as planned were deleted from the list because construction has been cancelled or postponed indefinitely. Some of the planned units are not scheduled to begin operation until the year 2000 or later.

A list of state contacts who are believed to be responsible for DAR review is presented in Table 2 for those states where a Da source is operational, under construction, or planned. Table 2 also indicates which states have delegation of authority for Subpart Da. It is likely that state contacts for DAR review will change when DAR's are actually received by the states. Many states will not finalize DAR review procedures or responsibilities until the required reports are actually received.

A list of the principal contact in each EPA Regional Office for information regarding the implementation of Appendix F, Procedure 1 at Subpart Da sources is provided in Table 3.

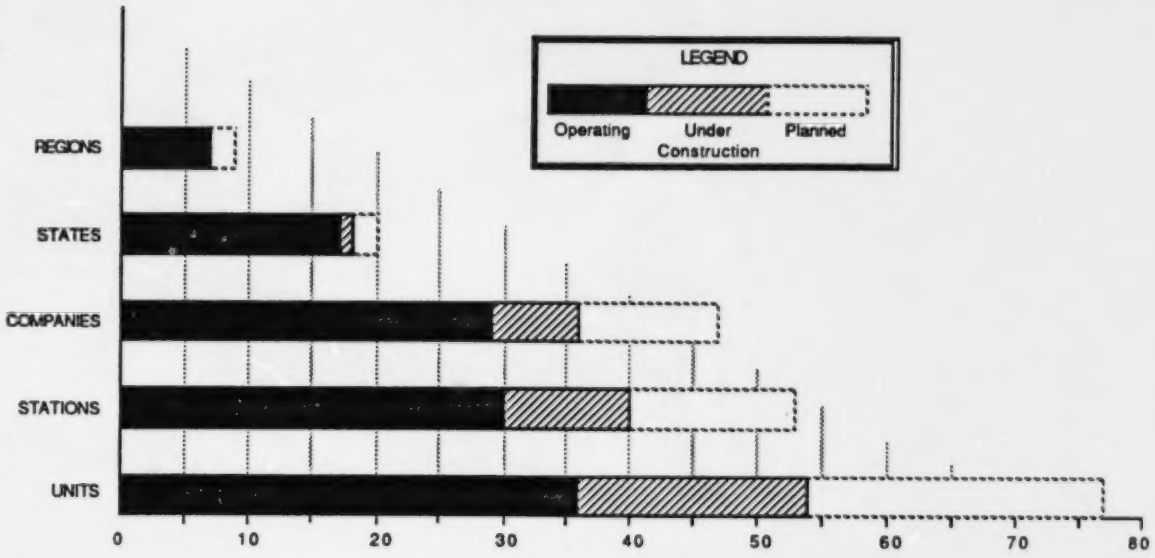

FIGURE 1. DISTRIBUTION OF Da SOURCES (3/8/88)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88)

Region/ State	Company Name, Station, & Unit No.	Status* Oper	Status* Cons Pln	Source Contact
REGION II				
New York[1]	NY State Electric & Gas Corporation Somerset #1	X		P.G. Carney, 4500 Vestal Pkway, E. Binghamton, NY 13903 - 607/729-2551
REGION III				
Maryland[2]	Delmarva Power and Light Company Nanticoke #1		X	Robert Molzahn, 800 King St, Box 231 Wilmington, DE 19899 - 302/454-4916
REGION IV				
Florida[2]	Jacksonville Electric Authority St. Johns River Power Park #1 St. Johns River Power Park #2	X	X	Richard Breitmoser, 233 W. Duval St. J'ville, Fla 32202 - 904/633-4517
	Orlando Utilities Commission C. H. Stanton #1	X		B. E. Shoup, Box 3193, Orlando, FL 305/423-9100
	Seminole Electric Cooperative Seminole #1 Seminole #2	X X		M.P. Opalinski, 16313 N. Dale Mabry Tampa, FL 33681 - 813/936-0994
	Tampa Electric Company Big Bend #4	X		Jerry Williams, Box 111, Tampa FL 33601 - 813/228-4837
Kentucky[2]	Big Rivers Electric Corporation D. B. Wilson #1	X		Gregory Black, Box 24, Henderson, KY 42420 - 502/827-2561
	Louisville Gas & Electric Company Trimble County #2		X	Michael McInnis, Box 23010, Louisville, KY 40232 - 502/566-4216
	Tennessee Valley Authority Shawnee #10		X	Ralph H. Brooks, TVA/Millroom Knoxville, TN 37902 - 615/632-6578
South Carolina[2]	South Carolina Public Service Authority/ Santee Cooper Cross #2		X	Maxie Chaplin, 1 Riverwood Rd, Moncks Corner, SC 29461 - 803/761-4096

(continued)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88) (continued)

Region/ State	Company Name, Station, & Unit No.	Status* Oper	Status* Cons Pln	Source Contact
REGION V				
Indiana[2]	Northern Indiana Public Service Company			C.W. Kern, Manager, Environmental Affairs, 5625 Hohman Ave., Hammond, IN 46230 - 219/853-5343
	R. M. Schahfer #17	X		
	R. M. Schahfer #18	X		
	Southern Indiana Gas & Electric Company			Gary Gress, Director of Power Production, 20-24 N.W. Fourth Street Evansville, IN 47741 - 812/464-4668
	A. B. Brown #2	X		
Michigan[2]	Grand Haven Board of Light & Power			James Morford, 650 Harbor Ave, Grand Haven, MI 49417 - 616/846-6250
	J. B Sims #3	X		
	Michigan South Central Power Agency			John Novak, Box 62, Litchfield, MI 49252 517/542-2346
	Michigan Project #1	X		
	Marquette Board of Light & Power			D. E. Hickey, 2200 Wright St., Marquette, MI 49855 - 906/228-6900
	Shiras #3	X		
Minnesota[2]	Northern States Power			Gary Welk, Manager, Regulatory Services 414 Nicollet Mall, Minneapolis, MN 55401 612/330-5500
	Sherburne County (Sherco) #3	X		
REGION VI				
New Mexico[2]	Plains Electric Generation & Transmission Cooperative, Inc.			Richard Precek, 2401 Aztex Rd, NE Albuquerque, NM 87107 - 515/884-2014
	Plains #1	X		
Oklahoma[2]	Grand River Dam Authority			Larry Moorehouse, Box 609, Chouteau, OK 74337 - 918/476-5840
	GRDA #2	X		
	Oklahoma Gas & Electric Company			Charles L. Tyree, Box 321, Oklahoma City, OK, 73101 - 405/272-3242
	Sooner #3		X	
	Sooner #4		X	

(continued)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88) (continued)

Region/ State	Company Name, Station, & Unit No.	Status[a] Oper	Cons Pln	Source Contact
REGION VI				
Texas[2]	Central Power & Light Company (subsidiary of Central & South West Corp.)		X	Dave Sullivan, Box 2121, Corpus Christi, TX 78403 - 512/881-5389
	Coleto Creek #2			
	Houston Lighting and Power Company	X		W.F. McQuire, Box 1700, Houston, TX 77001 713/922-2186
	Limestone #1	X		
	Limestone #2		X	
	Malakoff #1		X	
	Malakoff #2	X		
	W. A. Parrish #8			
	Lower Colorado River Authority		X	S. David Freeman, General Manager, Box 220, Austin TX 78767 - 512/473-3200
	Fayette #3		X	
	Fayette #4			
	San Antonio City Public Service Board		X	Joseph E. Fulton, Supervisor of Generation & Environ. Control, PO Box 1771, San Antonio, TX 78296 - 512/227-3211
	Bexar County #5		X	
	Bexar County #6			
	San Miguel Electric Company		X	R.P. Metcalfe, Box 280, Jourdanton, TX 78026 - 512/784-3411
	San Miguel #2			
	Southwestern Electric Power Company (subsidiary of Central & South West Corp.)		X	Frank Moseley, 2121 San Jancinto St, Dallas, TX 75266 - 214/754-1375
	Walker County - #1		X	
	Walker County - #2			
	Southwestern Public Service		X	Olon Plunk, Mgr. Licensing & Environ. Affairs, PO Box 1261, Amarillo, TX 79170 806/378-2194
	Nichols #4			
	Texas-New Mexico Power		X	James M.Tarpley, Exec. Vice President PO Box 2943, Fort Worth, TX 76113 817/731-0099
	Calvert/Robertson County #1		X	
	Calvert/Robertson County #2		X	
	Calvert/Robertson County #3		X	
	Calvert/Robertson County #4			

(continued)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88) (continued)

Region/ State	Company Name, Station, & Unit No.	Status[6] Oper	Status[6] Cons Pln	Source Contact
REGION VI				
Texas[2]				
	Texas Utilities Electric Company Forest Grove #1	X		B. G. Bradley, Vice President, 2001 Bryan Tower, Dallas, TX 75201
	Martin Lake #4		X	R. L. White, Skyway Tower, 400 N. Olive Dallas, TX 75201 - 214/979-8415
	Twin Oak - #1	X		
	Twin Oak - #2	X		
	West Texas Utilities Company Oklaunion #1	X		Chris Bissett, Box 841, Abilene, TX 79604 915/672-3251
REGION VII				
Iowa[2]	Muscatine Power and Water Muscatine #9	X		Jay Logel, 3205 Cedar St, Muscatine, IA 52761 - 319/263-2631 ext. 302
Kansas[1]	Sunflower Electric Cooperative, Inc. Holcomb #1	X		Robert Anderson, Box 980, Hays, KS 67601 - 316/275-0161
REGION VIII				
Colorado[1]	Colorado Ute Electric Association Craig #3	X		Jerry Walker, Box 1149, Monstrose, CA 81402 - 303/249-4501
	Nucla		X	
	Platte River Power Authority Rawhide #1	X		John Fooks, Rawhide Energy Center 2700 E. County Rd. 82, Wellington,
North Dakota[2]	United Power Association Stanton #10	X		Daniel McConnon, 17845 E. Highway 10 Elk River, MN 55330 - 612/441-3121
Utah[2]	Deseret Generation and Transmission Coop. Bonanza #1 (formerly Moon Lake)	X		Gary Richins, 8722 S. 300 West St., Sandy, UT 84070 - 801/566-8721
	Bonanza #2		X	
	Los Angeles Department of Water and Power Intermountain #1	X		Carl Haase, 111 N. Hope St., Los Angeles CA 90051 - 213/481-3250
	Intermountain #2		X	

(continued)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88) (continued)

Region/ State	Company Name, Station, & Unit No.	Status* Oper	Cons Pln	Source Contact
REGION VIII (continued)				
Utah[2]	Utah Power & Light Company Hunter #3	X		L.E. Newland, 1407 W. North Temple, Salt Lake City, UT 84110 - 801/535-2234
REGION IX				
Arizona[3]	Alamito Company Springerville #3		X	Pradahu Dayal, Box 2222, Springer-ville, AZ 85938 - 602/337-2997
	Arizona Public Service Company Cholla #5		X	Martin Wurbs, 2216 W. Peoria Ave, Phoenix, AZ 85036 - 602/371-6464
	Salt River Project Agricultural Improvement and Power District Coronado #3		X	Alfred Qoyawaymna, Box 1980, Phoenix AZ 85001 - 602/236-2502
	Tucson Electric Power Company Springerville #2		X	Duane Bock, Box 711, Tucson, AZ 85702 602/745-7126
California[3]	Corn Products Stockton Plant	X		George Sadek, Plant Manager, 1021 Industrial Dr., Stockton, CA 95206-0129
	Luz Engineering Corporation			Margaret Wallerstein, 924 Westwood Blvd., Los Angeles, CA 90024 - (213) 208-7444
	SEGS II[4]	X		
	SEGS III	X		
	SEGS IV	X		
	SEGS V	X		
	SEGS VI		X	
	SEGS VII		X	
Nevada[2]	Nevada Power Company Reid Gardner #4	X		Dennis Schwehr, Box 230, Las Vegas, NV 89151 - 702/367-5675
	Harry Allen, #1		X	John Arlidge, Box 230, Las Vegas, NV
	Harry Allen, #2		X	89151 - 702/367-5633
	Harry Allen, #3		X	
	Harry Allen, #4		X	

(continued)

TABLE 1. Da SOURCE LIST BY REGION AND STATE (3/8/88) (continued)

Region/ State	Company Name, Station, & Unit No.	Status* Oper	Cons	Pln	Source Contact
Nevada[2]	White Pine Power Project				Eldon Cotton, Los Angeles Dept. of Water & Power, 111 N. Hope St., Room 931, Los Angeles, CA 90051 213/481-3203
	White Pine, #1			X	
	White Pine, #2			X	
	Sierra Pacific Power Company				Frank Luchetti, Box 10100, Reno, NV 89520 - 702/789-4754
	North Valmy #2	X			
REGION X					
Washington[5]	Tacoma City Light and Power Company			X	unknown, 1121 Taylor Way, Tacoma, WA 98421

* Oper = operational, Cons = Construction, Pln = Planned

[1] State does not have NSPS delegation of authority for Subpart Da.
[2] State has NSPS delegation of authority for Subpart Da.
[3] Several local agencies have NSPS delegation of authority for Subpart Da but State does not.
[4] SEGS = Solar Electric Generating Station. These units are backup gas-fired boilers, but are subject to the NO_x monitoring requirements of Subpart Da. However, these units have not yet installed NO_x CEMS's.
[5] State has NSPS delegation of authority for Subpart Da but several local agencies do not have this authority.

TABLE 2. STATE CONTACTS FOR DAR REVIEW

REGION II

NEW YORK

Mr. Robert Kerr
Chief, Source Testing Section
Bureau of Toxic Air Sampling
Division of Air Resources
New Yok State Dept. of Environmental Conservation
50 Wolf Road, Room 138
Albany, New York 12233
(518) 457-7454

40 CFR 60 (July 1, 1986) indicates that New York does not have delegation of authority for Subpart Da sources. Mr. Kerr indicated that all reports for the single Da facility in New York are submitted to EPA Region II.

REGION III

MARYLAND

Mr. John Quinn
Public Health Engineer
Division of Enforcement
Air Management Administration
201 W. Preston Street
Baltimore, Maryland 21201
(301) 225-5274

Maryland has delegation of authority for Subpart Da.

REGION IV

FLORIDA

Mr. Rick Vail
Planner II
Compliance Monitoring Section
Bureau of Air Quality Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301
(904) 488-1344

Florida has delegation of authority for Subpart Da.

KENTUCKY

Mr. Steve Hagedorn
Environmentalist
Division for Air Quality
Department for Environmental Protection
Natural Resources & Environmental Protection Cabinet
Frankfort Office Park
18 Reilly Road
Frankfort, Kentucky 40601
(502) 564-3382

Kentucky has delegation of authority for Subpart Da.

TABLE 2. STATE CONTACTS FOR DAR REVIEW

REGION IV

SOUTH CAROLINA

Mr. Jake Frick
Manager, Source Evaluation Section
Engineering Services Division
Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201
(803) 734-4750

South Carolina has delegation of authority for Subpart Da.

REGION V

INDIANA

Mr. Rod Thompson
Chief, Quality Assurance Section
Air Monitoring Branch
Office of Air Management
Department of Environmental Management
105 S. Meridian
Indianapolis, Indiana 46206
(317) 243-5125

Indiana has delegation of authority for Subpart Da.

MICHIGAN

Ms. Karen Kligman
Air Quality Division
Department of Natural Resources
PO Box 30028
Lansing, Michigan 48909
(517) 373-7023

Michigan has delegation of authority for Subpart Da. Ms. Kligman will be the state contact. However, the three Da sources in Michigan will submit reports to the respective district offices and EPA Region V; only a summary report will be submitted to state headquarters.

MINNESOTA

Ms. Lori Bartel
Regulatory Compliance Section
Division of Air Quality
Minnesota Pollution Control Agency
520 Lafayette Road, North
St. Paul, Minnesota 55155
(612) 296-7599

Minnesota has delegation of authority for Subpart Da.

TABLE 2. STATE CONTACTS FOR DAR REVIEW

REGION VI

NEW MEXICO

Ms. Barbara Hargis, Program Manager
or Mr. Dave Duran
Stationary Source Section
Air Quality Bureau
Environment Improvement Division
PO Box 968
725 St. Michaels Drive
Sante Fe, New Mexico 87501
(505) 827-0062

New Mexico has delegation of authority for Subpart Da.

OKLAHOMA

Mr. John Welge
Environmental Specialist
Air Quality Services
Oklahoma State Department of Health
P.O. Box 53551
Oklahoma City, Oklahoma 73152
(405) 271-5220

Oklahoma has delegation of authority for Subpart Da.

TEXAS

Mr. Sabino Gomez
Director, Compliance Division
Texas Air Control Board
6330 Highway 290 East
Austin, Texas 78723
(512) 451-5711

Texas has delegation of authority for Subpart Da.

REGION VII

IOWA

Mr. Dave Phelps
Emission Evaluation Specialist
Department of Natural Resources
H.A. Wallace Building
900 E. Grand
Des Moines, Iowa 50319
(515) 281-8189

Iowa has delegation of authority for Subpart Da. Region VII should be contacted for DAR.

TABLE 2. STATE CONTACTS FOR DAR REVIEW

REGION VII

KANSAS

Mr. Dana Morris
Environmental Engineer
Hazardous Air Emissions Unit
Bureau of Air Quality and Radiation Control
Department of Health and Environment
Forbes Field
Topeka, Kansas 66620
(913) 296-1500

Kansas has delegation of authority for Subpart Da. Region VII should be contacted for DAR.

REGION VIII

COLORADO

Mr. Robert Jorgenson
Quality Assurance Unit
Air Pollution Control Division
Colorado Department of Health
4210 East 11th Avenue
Denver, Colorado 80220
(303) 331-8580

Colorado has not yet adopted New Source Standards for Da sources or Appendix F, Procedure 1 in state regulations. The State does not enforce Subpart Da requirements for the two sources considered by EPA as Da facilities. Therefore, for the purposes of this list, Colorado is not considered to have delegation of authority for Subpart Da.

NORTH DAKOTA

Mr. Tom Bachman
Manager, Air Quality Management Branch
Division of Environmental Engineering
Department of Health
PO Box 5520
Bismarck, North Dakota 58502-5520
(701) 224-2348

North Dakota has delegation of authority for Subpart Da.

UTAH

Mr. Norman Erikson
Environmental Health Scientist
Bureau of Air Quality
Utah State Department of Health
P. O. Box 16700
Salt Lake City, Utah 84116
(801) 538-6108

Utah has delegation of authority for Subpart Da.

TABLE 2. STATE CONTACTS FOR DAR REVIEW

REGION IX

ARIZONA

Mr. Dave Chelgren
Manager, Compliance Unit
Arizona Office of Air Quality
Department of Environmental Quality
2005 N. Central Avenue
Phoenix, Arizona 85004
(602) 257-2277

Two local agencies have delegation of authority for Subpart Da, but the State agency does not.

CALIFORNIA

Mr. Raak Veblen
California Air Resources Board
1102 Q Street
Sacramento, California 95814
(916) 323-7370

The California Air Resources Board has authority where the local agency has been delegated NSPS authority. Eleven local agencies in California have delegation of authority for Subpart Da; sixteen local agencies do not have authority for Subpart Da.

NEVADA

Mr. Tom Porta
Environmental Engineer
Air Quality Section
Nevada Division of Environmental Protection
201 South Fall Street
Carson City, Nevada 89710
(702) 885-5065

The State agency has delegation of authority for Subart Da.

REGION X

WASHINGTON

Mr. Stuart A. Clark
Manager, Air Program
Department of Ecology
PV 11
Olympia, Washington, 98504
(206) 459-6256

The State agency has delegation of authority for Subpart Da; however, several local agencies do not have this authority.

TABLE 3. EPA REGIONAL CONTACTS FOR DAR REVIEW

Region I

Mr. Norman Beloin
U. S. EPA, Region 1
60 Westview Avenue
Lexington, MA 02173

Region II

Ms. Ann Zownir
U. S. EPA, Region 2
Woodbridge Avenue
Edison, NJ 08837

Region III

Mr. Robert Vollaro
U. S. EPA, Region 3
841 Chestnut Street
Philadelphia, PA 19107

Region IV

Mr. Paul Reinermann
U. S. EPA, Region 4, APTMD
345 Courtland Avenue, NE
Atlanta, GA

Region V

Mr. Patric McCoy
U. S. EPA, Region 5
230 S. Dearborn Street
Chicago, Illinois 60604

Region VI

Mr. Stanley Spruiell
U. S. EPA, Region 6
1445 Ross Avenue
Dallas, Texas 75201

Region VII

Mr. John Knodel
U. S. EPA, Region 7
726 Minnesota Avenue
Kansas City, KS 66101

Region VIII

Mr. Dennis Woljan
U. S. EPA, Region 8
PO Box 25366
Denver Federal Center
Denver, CO 80225

Region IX

Mr. Mark Sims
U. S. EPA, Region 9
215 Fremont Street
San Francisco, CA 94105

Region X

Mr. Mark Hooper
U. S. EPA, Region 10
1200 6th Avenue
Seattle, WA 98101

3.0 PROCEDURES

The information, sources, and procedures used to develop the Subpart Da list are briefly described below:

1. The 1986 edition of "An Environmental Directory of U. S. Steam Electric Power Plants" published by the Edison Electric Institute was reviewed to establish a preliminary list of Da sources. Criteria for inclusion on the preliminary list were: greater than 22 MW output and on-line after after 1981. These criteria resulted in selection of several hundred potential sources.

2. A request for Compliance Data System (CDS) information on Subpart Da sources was made to Howard Wright of the EPA Stationary Source Compliance Division (SSCD). Mr. Wright agreed to provide the CDS information and requested a copy of the completed list. Subsequently, Mr. Mark Antell of SSCD provided both a CDS Quick Look list of Da sources and an extensive computer printout of CDS information on the Subpart Da facilities.

3. The preliminary list of Da sources developed in (1) above was narrowed by eliminating all sources on-line before 1982 (i.e., start-up of first two Da units: Houston Light and Power's W. A. Parrish #8 and Muscatine Power and Water, #9) and eliminating all units without FGD.

4. A composite list of 94 potential Da sources was prepared from the information from (3) above and the CDS Quick Look listing. Discrepancies were resolved where possible by referring to the Power Directory.

5. The composite Da list was reviewed by seven senior members of Entropy's CEM/Engineering staff and compared with information in Entropy's files. Specific information on 30 sources was available from these activities.

6. Discrepancies in the Da source list were resolved where possible. Other sources of information were used, such as direct contact with several EPA Regional Offices, previously prepared Region VIII CEMS inventory, contact with PQA, Inc., contact with one source, etc.

7. The EPA Region V Office provided a second CDS list of Da sources and a list of D sources. This information differed somewhat from the CDS list provided by SSCD. These lists were used to resolve discrepancies on the composite Subpart Da list.

8. Specific efforts were made to verify the state contact for DAR review by contacting the appropriate EPA Regional Office or by contacting the State agency directly. These contacts indicated that there are some apparent disagreements between EPA and state agencies regarding whether specific sources are subject to Subpart Da requirements.

9. The list of EPA Regional Office contacts for DAR Review was provided by Louis Paley of the EPA SSCD.

10. The version of this report dated November 23, 1987 was submitted to the EPA Regional and state agency contacts for review. Twenty-two responses were received providing comments and/or corrections. This information has been incorporated in the current version of this report.